



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: **Barbas III et al.**

Serial No.: 09/586,625

Filed: June 2, 2000

For: **LIGAND ACTIVATED TRANSCRIPTIONAL  
REGULATOR PROTEINS**

Art Unit: 1646

Examiner: Murphy, J.

I hereby certify that this paper and the attached papers are being deposited with the United States Postal Service as first class mail in an envelope addressed to:

Commissioner for Patents  
U.S. Patent & Trademark Office  
P.O. Box 2327  
Arlington, VA 22202

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*13/C  
M.J.J  
8/20/02*  
Stephanie Seidman

**AMENDMENT**

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AUG 19 2002

TECH CENTER 1600/2900

Commissioner for Patents  
P.O. Box 2327  
Arlington, VA 22202

Dear Sir:

Responsive to the Office Action mailed February 8, 2002, please amend the application as follows:

**IN THE CLAIMS:**

~~Please cancel claim 4 without prejudice or disclaimer.~~

~~Please replace claims 1, 5, 8, 13, 20, 22, 25, 32, 34, 39, 43 and 45 with amended claims 1, 5, 8, 13, 20, 22, 25, 32, 34, 39, 43 and 45 as follows:~~

~~1. (Amended) A fusion protein, comprising a nucleotide binding domain operatively linked to a ligand binding domain derived from an intracellular receptor, wherein:~~

~~the nucleotide binding domain is a polydactyl zinc-finger peptide or modular portion thereof that specifically interacts with a contiguous nucleotide sequence of at least about 3 nucleotides;~~

~~the ligand binding domain has been modified to change its ligand specificity compared to the native hormone receptor; and~~

~~the fusion protein is a ligand activated transcriptional regulator.~~

5. The fusion protein of claim 1, wherein the modified ligand-binding domain is not substantially activated by endogenous ligands relative to exogenous or non-natural ligands.

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*Stephanie Seidman*

TRANSMITTAL LETTER

Commissioner for Patents  
U.S. Patent & Trademark Office  
P.O. Box 2327  
Arlington, VA 22202

Sir:

Transmitted herewith are an Amendment, with attachments, responsive to the Office Action mailed February 8, 2002, and a check for \$920.00 for the requisite fee for a three-month extension of time. If a Petition for extension of time is needed, this paper is to be considered such Petition.

**Extension fee for response within the third month:**

(X) By a large entity.....\$920.00

The Commissioner is hereby authorized to charge any fee, including any submitted herewith if the attached check(s) is in the wrong amount or otherwise improper or missing, that may be due in connection with this and the attached papers, or with this application during its entire pendency to or to credit any overpayment to Deposit Account No. 50-1213. A duplicate of this sheet is enclosed.

Respectfully submitted,  
HELLER EHRLMAN WHITE & McAULIFFE LLP

By:

*Stephanie Seidman*  
Registration No. 33,779

Attorney Docket 22908-1227B

Address all correspondence to:

Stephanie Seidman

HELLER EHRLMAN WHITE & McAULIFFE LLP

4350 La Jolla Village Drive, 7th Floor

San Diego, California 92122-1246

Telephone: (858) 450-8400

Facsimile: (858) 587-5360

E-mail: [sseidman@HEWM.com](mailto:sseidman@HEWM.com)

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